

CLAIM LISTING:

1-3. *(Cancelled)*

4. *(Currently Amended)* The system according to claim 16, wherein said plurality of target nucleic acids are a plurality of subsequences of a polynucleotide.

5. *(Currently Amended)* The system of claim 16, wherein said first or second solid support is glass.

6. *(Currently Amended)* The system according to claim 16 wherein said immobilization is covalent.

7. *(Currently Amended)* The system according to claim 16 wherein said immobilization is non-covalent.

8. *(Currently Amended)* The system according to claim 16 wherein said primers are covalently linked to a cleavable moiety.

9. *(Original)* The system according to claim 8 wherein said cleavable moiety is cleavable by photolysis.

10. *(Currently Amended)* The system according to claim 16 wherein the surface of said first solid support comprises a plurality of hydrophilic areas.

11. *(Currently Amended)* The system according to claim 16 wherein the density of the derivatized areas on said first solid support is between about 10 to 10,000 per cm².

12. *(Currently Amended)* The system according to claim 16 wherein the size of said derivatized area on said first solid support is between about 10⁻³ to 5 mm².

13. *(Currently Amended)* The system according to claim 16 wherein the number of derivatized areas on said first solid support is between about 10 to 500,000.

14. *(Cancelled)*

15. *(Currently Amended)* The solid support of claim 16 wherein said releasable primer is releasable by photolysis.

16. *(New)* A system for amplifying a plurality of target nucleic acids, comprising

(a) a first solid support comprising a plurality of derivatized areas, wherein each of said derivatized areas comprises:

(i) at least one releasable forward primer and at least one releasable reverse primer for each of said target nucleic acids adapted to be released before an amplification reaction; or

(ii) at least one releasable sequence complementary to said releasable forward primer and at least one releasable sequence complementary to said releasable reverse primer adapted to be released before an amplification reaction; and

(b) a second solid support comprising a plurality of wells, wherein each well corresponds to either

(i) at least one of said releasable forward primer and at least one of said releasable reverse primer; or

(ii) at least one of said releasable sequence complementary to said releasable forward primer and at least one of said releasable sequence complementary to said releasable reverse primer.